



MERIT ENERGY COMPANY

Shoshone 65-68

Plug and Abandonment Procedure

Revised 4/04/2022

Well Information

Field: Circle Ridge
County: Fremont County, Wyoming
Legal: 1,250' FSL & 2,970' FEL Section 36 T7N R3W
Lat/Long: 43.53612, -109.06314
API #: 4901321497

Ground level elevation	7,209'	KB Elevation:	7,219'
TD:	1,720'	PBTD:	1,705'
Surface Casing:	8-5/8", 24 #/ft, K-55, @ 70'		
Surface Casing Cement:	Unknown (Completion report shows cement to surface)		
Surface Casing TOC:	Surface	Source:	Completion Report
Production Casing:	5-1/2", 15.5 #/ft, K-55, @ 1,720'		
Production Casing Cement	210 sx		
Production Casing TOC	315'	Source:	Calculation
Production Tubing	No tubing in the well		
Open perforations	Tensleep Perfs: 1,520' – 1,720' Stuck Packer @ 1,705'		
Well Status	Shut In Injector		

Note: All cement pumped for this procedure will be 15.8 ppg Class G neat cement with a yield of 1.16 cu. Ft/sk and .3% by weight dispersant added.

Plugging Procedure

1. MIRU, pull all tubing, packers, rods, and pumps out of hole.
2. Run Bit and Scraper to PBTD.
3. RIH and set CICR 50' above top perforation at 1,470'.
4. Sting into CICR and pump 1.5x wellbore volume (45 sx) of cement below CICR.
5. Sting out of CICR, pump 75 sx on top of retainer (TOC to at least 829').
6. WOC 24 hours. **This step has been deemed not to be necessary and is removed**
7. Pressure test production casing to a minimum of 500 psi for 10 minutes.
8. Perforate circulation hole 200' from surface in production casing.
9. RIH with 2-3/8" 4.9# tubing to 190' below surface and circulate cement to surface outside Production casing through perforation.
10. Pump balanced plug to surface inside production casing.
11. WOC 24 hours. If cement level has fallen top off production casing with cement back to surface utilizing 1" poly hose.
12. Cut casing 3' below grade and weld on dry hole plate w/ legal ID. Remove rig anchors.

